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TI Admixture for carbon fiber reinforced mortar  
IN Tamura, Akira; Myakoshi, Akihiko; Okada, Shinichiro; Chuma, Tsugio;  
Tokihisa, Yasunobu  
PA Mitsui Saitekku KK, Japan; Osaka Gas Co., Ltd.; Tokihisa Shoji KK  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C04B014-38

ICS C04B024-26; C04B028-04; C04B007-24; C04B014-38; C04B103-40;  
C04B111-20

CC 58-3 (Cement, Concrete, and Related Building Materials)

FAN. CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
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| PI   | JP 09020536    | A2   | 19970121 | JP 1995-186529  | 19950630 |
| PRAI | JP 1995-186529 |      | 19950630 |                 |          |

CLASS

| PATENT NO.  | CLASS | PATENT FAMILY CLASSIFICATION CODES  |
|-------------|-------|---|
| JP 09020536 | ICM   | C04B014-38  |
|             | ICS   | C04B024-26; C04B028-04; C04B007-24; C04B014-38;<br>C04B103-40; C04B111-20 |

AB The title admixt. comprises carbon fiber 3-8, superfine powder 10-20, **cationic polymer** dispersion 30-60, and water 12-57 weight%, where C fiber is homogeneously dispersed. Thus, a mortar prepared from an admixt. prepared from carbon fiber 5, silica fume 12, Accostar C 210 (cationic SBR latex) 30, and water 53 kg 8, portland **cement** 40, sand 120, and water 25.7 kg/ gave a mortar having bending, compressive and tensile strength at 28 days 65.9, 253 and 70.5 kg/cm<sup>2</sup>, resp.

ST carbon fiber reinforcement mortar admixt

IT Carbon fibers, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(Donacarbo S 331, Donacarbo S 332; admixt. containing **cationic polymer** dispersions for carbon fiber reinforced mortar)